BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka zone

Development of Dobhighat in Ward No.01

Modified Estimate

Sl. No.	Description of work	Unit	No.	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m			
1	KSRB 2-1 : Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 KSRB 2-1.1: - do - Ordinary soil (Pg no. 45 I.No 7.37)								
		Cum							
	Excavation for SSM, Building		1	2.33	1.10	1.00	2.56		
	--do--		1	2.10	1.10	1.00	2.31		
	--do--		1	2.33	1.10	1.00	2.56		
	--do--		1	2.36	1.10	1.00	2.60		
	--do--		1	2.25	1.10	1.00	2.48		
	--do--		1	2.36	1.10	1.00	2.60		
	--do--		1	2.35	1.10	1.00	2.59		
	--do--		1	2.10	1.10	1.00	2.31		
	--do--		1	2.33	1.10	1.00	2.56		
	--do--		1	2.36	1.10	1.00	2.60		
	--do--		1	2.25	1.10	1.00	2.48		
	--do--		1	2.36	1.10	1.00	2.60		
	Excavation for Compound Wall								
	Footings		39	1.40	1.40	1.20	91.73		
	Wall		1	5.75	1.10	1.00	6.33		
	--do--		1	5.10	1.10	1.00	5.61		
	--do--		1	16.00	1.10	1.00	17.60		
	--do--		1	7.75	1.10	1.00	8.53		
	--do--		1	15.05	1.10	1.00	16.56		
	--do--		1	0.85	1.10	1.00	0.94		
	--do--		1	11.45	1.10	1.00	12.60		
	--do--		1	0.70	1.10	1.00	0.77		
					Total Quantity		**205.99**	282.34	58159.22
	Approved Rate	282.34							
2	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. KSRB 2-2.1: - do - in ordinary soil. No. KBS 2.1(a) / 2.3.5 P.No.06 It No.2.1								
	Excavation for footing, Building	Cum							
	--do--		15	1.70	1.70	1.50	65.03		
	--do-- Staircase		1	1.20	0.80	1.50	1.44		
					Total Quantity		66.47	425.76	28300.27
	Approved Rate	425.76							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.No.13 It No.4.3								
	PCC	Cum							
	Footings		15	1.70	1.70	0.15	6.50		
	--do--		1	1.20	0.80	0.15	0.14		
	--do--								
	PCC for SSM		1	2.53	1.10	0.15	0.42		
	--do--		1	2.30	1.10	0.15	0.38		
	--do--		1	2.53	1.10	0.15	0.42		
	--do--		1	2.56	1.10	0.15	0.42		

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	--do--		1	2.45	1.10	0.15	0.40		
	--do--		1	2.56	1.10	0.15	0.42		
	--do--		1	2.55	1.10	0.15	0.42		
	--do--		1	2.30	1.10	0.15	0.38		
	--do--		1	2.53	1.10	0.15	0.42		
	--do--		1	2.56	1.10	0.15	0.42		
	--do--		1	2.45	1.10	0.15	0.40		
	--do--		1	2.56	1.10	0.15	0.42		
	Excavation for Compound Wall								
	Footings		39	1.40	1.40	0.15	11.47		
	Wall		1	6.35	1.10	0.15	1.05		
	--do--		1	5.50	1.10	0.15	0.91		
	--do--		1	18.00	1.10	0.15	2.97		
	--do--		1	8.75	1.10	0.15	1.44		
	--do--		1	17.05	1.10	0.15	2.81		
	--do--		1	1.05	1.10	0.15	0.17		
	--do--		1	12.85	1.10	0.15	2.12		
	DPC For Compound Wall		1	0.80	1.10	0.15	0.13		
			1	120.00	0.45	0.10	5.40		
				Total Quantity			**40.05**	5785.12	231696.66
	Approved Rate	5785.12							
4	KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 P.No.13 It No.4.5								
	Footings	Cum							
	Building footings		15	1.50	1.5	0.6	20.25		
	Staircase footing		1	1.00	0.6	0.6	0.36		
	Compound footings		39	1.20	1.2	0.6	33.70		
	Columns								
	Up to Plinth beam bottom								
	Building		15	0.45	0.23	0.6	0.93		
	Compound		39	0.25	0.15	0.45	0.66		
	Staircase								
	Pedestal		1	1.00	0.3	0.45	0.14		
	Plinth Beams								
	B1 & B2		2	10.50	0.225	0.3	1.42		
	B3 & B4		2	10.95	0.225	0.3	1.48		
	B5 & B6		2	11.38	0.225	0.3	1.54		
	for Compound Wall Coping Concrete	Sqm							
			1	120.35	0.15	0.15	2.71		
				Total Quantity			**65.05**	6041.38	392991.77
	Approved Rate	6041.38							
5	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, lintles, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.Specification No. KBS 4.1, 4.6 P.No.14 It No.4.12								
	Columns	Cum							
	Building Columns		14	0.45	0.23	3.2	4.64		
	Compound wall		39	0.25	0.15	1.85	2.71		
	Staircase column		1	0.45	0.23	3.2	0.33		
	Beams								
	B1 & B2		2	10.50	0.225	0.45	2.13		

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	B3 & B4		2	10.95	0.225	0.45	2.22		
	B5 & B6		2	11.38	0.225	0.45	2.30		
	Slab								
	Rcc Slab								
	Staircase		1	12.30	12.3	0.15	22.69		
	Waist slab								
	Midlanding		1	8.35	1	0.15	1.25		
	Steps		1	2.60	1	0.15	0.39		
	Staircase beam		16	1.00	0.3	0.15	0.72		
	Lintels		1	2.53	0.225	0.3	0.17		
	Lintel								
	--do--		2	3.58	0.15	0.15	0.16		
	--do--		2	3.35	0.15	0.15	0.15		
	--do--		2	3.58	0.15	0.15	0.16		
	--do--		2	3.83	0.15	0.15	0.17		
	--do--		2	3.72	0.15	0.15	0.17		
			2	3.83	0.15	0.15	0.17		
	Approved Rate			**Total Quantity**			**41.69**		
		6854.38						6854.38	285759.10
6	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 P.No.16 It No.4.28								
	For Footings	Sqm							
	Footings								
	Building								
	Compound wall		15	6.00		0.6	54.00		
	Staircase Footing		39	4.80		0.45	84.24		
	Pedastals		1	3.20		0.45	1.44		
	Staircase								
			1	2.60		0.45	1.17		
	Approved Rate			**Total Quantity**			**140.85**		
		292.54						292.54	41204.26
7	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 P.No.16 It No.4.32								
	Ground floor								
	Columns	Cum							
	Building								
	Compound		14	1.35		4.1	77.49		
	Staircase column		39	2.70		2.35	247.46		
	Ground Floor		1	1.36		4.1	5.58		
	Staircase								
	Waist slab								
	Steps		1	8.35	1		8.35		
	Staircase beam		17	1.00		0.15	2.55		
	Sides		1	2.30	0.83		1.91		
			2	6.82		0.2	2.73		
	Approved Rate			**Total Quantity**			**346.06**		
		517.05						517.05	178929.29
8	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 P.No.17 It No.4.34								
	Ground Floor								
	Plinth Beams								
	B1 & B2	2	2	10.50		0.3	12.60		

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	B3 & B4	2	2	10.95		0.3	13.14		
	B5 & B6	2	2	11.38		0.3	13.66		
	Roof Beams								
	B1 & B2 Sides	2	2	10.50		0.45	18.90		
	Bottom	1	2	10.50	0.225		4.73		
	B3 & B4	2	2	10.95		0.45	19.71		
		1	2	10.95	0.225		4.93		
	B5 & B6	2	2	11.38		0.45	20.48		
		1	2	11.38	0.225		5.12		
	Lintels								
	Lintel	2	2	3.58		0.15	2.15		
	--do--	2	2	3.35		0.15	2.01		
	--do--	2	2	3.58		0.15	2.15		
	--do--	2	2	3.83		0.15	2.30		
	--do--	2	2	3.72		0.15	2.23		
	--do--	2	2	3.83		0.15	2.30		
	Slab								
	Rcc Slab		1	11.90	11.9		141.61		
	Staircase Midlanding		1	2.30	1.2		2.76		
	Roof sides		4	12.30		0.15	7.38		
				Total Quantity			**278.15**	331.10	92094.64
	Approved Rate	331.10							
9	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 P.No.15 It No.4.19								
	Ground Floor								
	Chajja		11	1.80	0.45		8.91		
	--do--		1	2.70	0.45		1.22		
				Total Quantity			**10.13**	498.91	5051.46
	Approved Rate	498.91							
10	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for chajja, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 P.No.17 It No.4.37								
	Ground Floor								
	Chajja		11	1.80	0.45		8.91		
	--do--		1	2.70	0.45		1.22		
				Total Quantity			**10.13**	339.12	3433.59
	Approved Rate	339.12							
11	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 - do - TMT bars Fe 500 P.No.18 It No.4.46								
	Ground Floor	Tonne							
	Footing		1	3600.00			3600.00		
	Columns +Pedst		1	2100.00			2100.00		
	P Beam & Beams		1	2200.00			2200.00		
	Slab		1	2200.00			2200.00		
	Staircase		1	220.00			220.00		
	Chajja		1	113.00			113.00		
						Sub Total=	**10433.00**		
				Total Quantity KGS			**10.43**	80467.78	839520.35

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	Approved Rate	80467.78								
12	KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 KSRB 5.2-3 : - do - cement mortar 1:6 KBS 5.1.13 P.No.25 It No.5.6									
	SSM 1st Step	Cum								
	Long wall		2	12.75	0.90	0.60	13.77			
	Short wall		2	11.17	0.90	0.60	12.06			
	Deduct Columns		-12	0.45	0.23	0.60	-0.75			
	Compund wall SSM									
	1st Step		1	10.85	0.90	0.60	5.86			
	--do--		1	7.05	0.90	0.60	3.81			
	--do--		1	30.95	0.90	0.60	16.71			
	--do--		1	13.90	0.90	0.60	7.51			
	--do--		1	30.05	0.90	0.60	16.23			
	--do--		1	1.65	0.90	0.60	0.89			
	--do--		1	22.25	0.90	0.60	12.02			
	--do--		1	1.38	0.90	0.60	0.74			
	Deduct Columns		-39	0.25	0.15	0.60	-0.88			
				Total Quantity			**87.97**	5211.37	458451.51	
	Approved Rate	5211.37								
13	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 P.No.25 It No.5.9									
		Cum								
	SSM 2nd Step									
	Long wall		2	12.45	0.90	0.45	10.08			
	Short wall		2	11.47	0.90	0.45	9.29			
	Deduct Columns		-12	0.45	0.23	0.45	-0.56			
	Compund wall SSM									
	2dn Step		1	10.55	0.60	0.45	2.85			
	--do--		1	7.35	0.60	0.45	1.98			
	--do--		1	30.65	0.60	0.45	8.28			
	--do--		1	14.20	0.60	0.45	3.83			
	--do--		1	29.75	0.60	0.45	8.03			
	--do--		1	1.95	0.60	0.45	0.53			
	--do--		1	21.95	0.60	0.45	5.93			
	--do--		1	1.38	0.60	0.45	0.37			
	Deduct Columns		-39	0.25	0.15	0.45	-0.66			
				Total Quantity			**49.96**	6217.13	310591.81	
	Approved Rate	6217.13								
14	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 - do - with solid concrete blocks of size 400x200x200mm P.No.27 It No.5.26.1									
	Ground Floor	SQM								
	Short Wall		2	4.06		2.9	23.55			
	--do--		2	3.72		2.9	21.58			
	--do--		2	3.83		2.9				
	Long Wall		2	3.58		2.9	20.76			
	--do--		2	3.80		2.9	22.04			
	--do--		2	4.05		2.9	23.49			

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	Deductions								
	Door		-1	2.40		2.5	-6.00		
	Windows		-11	1.50		1.2	-19.80		
	Compound wall		1	1.30		1.85	2.41		
	--do--		1	14.00		1.85	25.90		
	--do--		1	1.70		1.85	3.15		
	--do--		1	2.20		1.85	4.07		
	--do--		1	23.85		1.85	44.12		
	--do--		1	13.45		1.85	24.88		
	--do--		1	27.45		1.85	50.78		
	--do--		1	7.60		1.85	14.06		
	--do--		1	8.00		1.85	14.80		
				Net Qty			309.35	1090.80	337438.98
	Approved Rate	1090.80							
15	KSRB15-3 : Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KSRB15-3.4 : - do - cement mortar 1:3 P.No.115 It No.15.12								
	Ground Floor	SQM							
	External walls		4	12.3		3.95	194.34		
	Parapet wall internal		4	11.9		0.6	28.56		
	Chajja		10	1.9		1	19.00		
	--do--		1	2.8		1	2.80		
	Deductions								
	Door		-1	2.4		2.5	-6.00		
	Windows		-11	1.5		1.2	-19.80		
	Ventilators		-3	0.6		0.6	-1.08		
	Compound wall		2	9.3		1.85	34.41		
	--do--		2	7.9		1.85	29.23		
	--do--		2	30		1.85	111.00		
	--do--		2	14.75		1.85	54.58		
	--do--		2	36.7		1.85	135.79		
	--do--		2	2.5		1.85	9.25		
	--do--		2	17.9		1.85	66.23		
	--do--		2	1.3		1.85	4.81		
	Top		1	120.35		0.15	18.05		
	Ground Floor								
	Room 1								
	Beam sides		1	11.90	11.90		141.61		
	Staircase		4	11.90	0.30		14.28		
			1	10.55	1.00		10.55		
	Approved Rate	265.33		Net Qty			847.61	265.33	224895.70
16	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KSRB15-3.7 : - do - cement mortar 1:3 P.No.116 It No.15.15								
	Ground Floor	SQM							
	Room 1		4	11.90		3.20	152.32		
	Deductions								
	Door		-1	2.4		2.5	-6.00		
	Windows		-11	1.5		1.2	-19.80		
	Ventilators		-3	0.60		0.60	-1.08		
	Approved Rate	312.95		Net Qty			125.44	312.95	39256.45

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17	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, with bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM complete as per specifications. Shutter size 3mx2.8 m Specification No. KBS 7.10 / 7.12 P.No.33 It No.7.5								
	Ground Floor	SQM							
	Rolling shutters		1	2.40		2.5	6.00		
				Net Qty			**6.00**	2956.06	17736.36
	Approved Rate	2956.06							
18	KSRB 7.6 : Providing and fixing top covers made out of 20 guage M.S. sheet over pull and push rolling shutters bent to shape including cost of red lead primer coat of painting , materials, labour, HOM complete as per specifications. Specification No. KBS 7.10.6 / 7.12 P.No.34 It No.7.6								
	RS	2	3.00			**6.00**	**0**	0.00	0
19	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12 P.No.34 It No.7.9								
	Ground Floor	Kg							
	Window M S Grill		11	1.50		1.2	19.80		
	Ventilator		3	0.60		0.6	1.08		
	15 kg per Sqm						15.00		
				Net Qty			**313.20**	107.72	33737.90
	Approved Rate	107.72							
20	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS -do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. P.No.34 It No.7.10								
	Ground Floor	SQM							
	Window M S Grill		11	1.50		1.2	19.80		
				Net Qty			**19.80**	4960.78	98223.44
	Approved Rate	4960.78							
21	KSRB 14.7-2 : Providing and laying red oxide flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete, using broken granite metal of 12.5mm nominal size and top layer of 10mm thick plaster with 1:3 cement mortar mixed with red oxide (using 3.5 kg of red oxide per 50 kg of cement) finished with floating coat of neat cement mixed with red oxide (mix of same proportion), including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3 P.No.104 It No.14.9								
	Flooring	1	11.9	11.9		**141.61**	Sqm	754.04	106779.60

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22	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (Pg no. 45 I.No 7.37)								
	Gate	1	4		2.4	9.60	Sqm	0.00	0.00
23	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses (Pg no. 299 I.No 38.30) P.No.299 It No.38.30								
	Roof	1	16.00		15.00	240.00			
	For Washing area	1	17.00		15.00	255.00			
	For Tank	1	4.40		5.50	24.20			
						519.20	**Sqm**	**0.00**	**0.00**
24	Fabricating, supplying & erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification (Pg no. 43 I.No 7.30) P.No.43 It No.7.30								
	Roof	1	16.00		15.00	240.00			
	For Washing area	1	17.00		15.00	255.00			
	For Tank	1	4.40		5.50	24.20			
	5kg/sqm					519.20			
						2596.00	**Kgs**	**0.00**	**0.00**
25	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. P.No.119 It No.15.49								
	Qty Same as It.No.16					**125.44**	**Sqm**	**124.73**	**15646.13**
26	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. -do- with primer P.No.120 It No.15.53.2								
	Qty Same as It.No.17					847.61			
						847.61	**Sqm**	**115.66**	**98034.57**
27	KSRB 13-11.1: Over Head Synthetic Tanks - Providing, Placing on Terrace, Polyethylene storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diametre for inlet,outlet and over flwo pipes including cost of all materials, labour, transport charges, HOM of euipments and testing complete as per specifications for 2000 Litres Capcity including cost of all materials, formwork, labour charges, HOM of Machineries, loading, unloading ,with all lead and lifts etc., compelte & as per specification and as directed by Engineer. BCSR Item No 13.78, Page No .94								
	Sintex tank					2.00			
						1.00	**Nos**	**7742.21**	**7742.21**
B	**Electrical Work**							**Approved Rate**	
			1	100		**100**	**Rmt**	**254.13**	
	Machinaries								
28	Industrial Washing Machine 100 Kg's with control panel (Model Id: NEIH100) Made out of S.S, Rotating Drum Dia/Lt.mm : 900/1250,Washing Speed in Rpm:38, Motor Power In Hp:3 Loading Type: Side-Top, Drive System: Belt, Type of Material: S.S 304, Operating System: Electrical, Heater: 18KW(Optional) (Approved Data Rate)								
	Dobhi Ghat	1				1.00			
						1.00	**Each**	**1468484.63**	**1468484.63**

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29	Hydro Extractor 100Kg's (Model Id : NEI30) Made out of M.S & S.S Rotating Drum Dia/Ht:750/350mm , Extraction speed in Rpm:1000, Motor Power in HP:5 Drive system: Belt Type of Material: S.S 304, Brake System: Leg Brake(Manual), Operating System: Electrical. (Approved Data Rate)								
	Dobhi Ghat	1				1.00			
						1.00	**Each**	**1549242.94**	**1549242.94**
30	Tumble Dryer 100Kg's (Model Id : NEIT100)Made out of M.S & S.S Rotating, Drum Dia/Ht:1000/1300mm , Rotation speed in Rpm:38, Motor Power in HP:2, Blower Power in Hp: 1, Drive system: Belt ,Operating System: Electrical, Heater: 18KW. (Approved Data Rate)								
	Dobhi Ghat	1				1.00			
						1.00	**Each**	**1429449.35**	**1429449.35**
31	RECTANGULAR TABLES WITH BOILER for Ironing								
	Dobhi Ghat	1				1.00			
						1.00	**Each**	**394499.92**	**394499.92**
EIR L-1	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (P.No. 68, I.No. 10.2 of PWD SR 2018-19)								
		SQM							
	Terrace		1	11.90	11.9		141.61		
	Chajja & Etc						40.50		
				Net Qty			**182.11**	1108.21	201816.0503
	Basic Rate			1006.00					
	Area weightage -8%			80.48					
	Lift Charges			21.73					
	Total			1108.21					
EIR L-2	Providing and fixing MS hand Railing fro Balcony/Staircase, Etc. with 50mm dia MS Hallow pipes of 14 Gauge welded to 20mmx20mm MS rod placed vertically, spaced at 100mm at regular intervals of 600mm These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete byusing expansion bolts and welding the same to reinforcement bars and making good the surface. All noints and swctions should be cut to length and welded and grinded wherever necessary Etc. including cost of materials, labour complete as per specifications. (P.No.44 , I.No. 7.35 of PWD SR 2018-19)								
		SQM							
	Staircase Hand Rail		1	14.75		1	14.75		
				Net Qty			**14.75**	**3067.20**	**45241.2**
	Basic Rate			2840.00					
	Area weightage -8%			227.20					
	Total			3067.20					

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EIR L-3	Fabricating, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for each flop. Heavy Duty Locking arrangements at tow places including cost of labour, painting, erecting charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineer-in-charge of the work. (Data Rate)								
		SQM							
Main Gate			1	3.90		2.1	8.19		
Gate 1			1	2.75		2.1	5.78		
				Net Qty			13.97	12475.00	174213.38
	Data Rate			12475.00					
							Sub Total		9164533.00
							GST 18%		1649615.94
							Total Amount		1,08,14,148.94

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Technical Sanction
Accorded For Rs 10814148.94
Head of A/C 91806
CER NO : 52 Dt: 10.03.2023

DA

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